

146242



OMB Approval Number: 2050-0095
Approved for Use Through: 1/92

PA-Score

PA SCORESHEETS

Site Name: BORDEN CHEMICAL PRINTING INK DIV.
CERCLIS ID No.: NJD071462279
Street Address: 1625 FEDERAL STREET
City/State/Zip: CAMDEN , NJ 08104

Investigator: FRANK SORCE
Agency/Organization: NJDEPE/DRPSR/BSA
Street Address: CN 407
City/State: TRENTON , NJ

Date: 12-05-91

WASTE CHARACTERISTICS

Waste Characteristics (WC) Calculations:

Waste Characteristics Score: WC = 0

OMB Approval Number: 2050-0095
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POTENTIAL HAZARDOUS WASTE SITE PRELIMINARY ASSESSMENT FORM			IDENTIFICATION		
			State: NJ	CERCLIS Number: NJD071462279	
			CERCLIS Discovery Oate: 2-28-91		
1. General Site Information					
Name: BORDEN CHEMICAL PRINTING INK DIV.			Street Address: 1625 FEDERAL STREET		
City: CAMDEN	State: NJ	Zip Code: 08104	County: CAMDEN	Co. Code: 04	Cong. Dist: 01
Latitude: Longitude: 39° 56' 43.0" 75° 56' 6.0"		Approx. Area of Site: 8 acres		Status of Site: Active	
2. Owner/Operator Information					
Owner: LYNKRAM			Operator: RICH-OE ENTERPRISES		
Street Address: 1625 FEDERAL STREET			Street Address: 1625 FEDERAL STREET		
City: CAMDEN			City: CAMDEN		
State: NJ	Zip Code: 08104	Telephone: 609-541-1427	State: NJ	Zip Code: 08104	Telephone: 609-541-1427
Type of Ownership: Private			How Initially Identified: Not Specified		

POTENTIAL HAZARDOUS WASTE SITE PRELIMINARY ASSESSMENT FORM		IDENTIFICATION	
		State: NJ	CERCLIS Number: NJD071462279
		CERCLIS Discovery Date: 2-28-91	
3. Site Evaluator Information			
Name of Evaluator: FRANK SORCE		Agency/Organization: NJDEPE/DRPSR/BSA	Date Prepared: 12-05-91
Street Address: CN 407		City: TRENTON	State: NJ
Name of EPA or State Agency Contact: KENNETH J. KLOO		Telephone: 609-584-4280	
Street Address: CN 407		City: TRENTON	State: NJ
4. Site Disposition (for EPA use only)			
Emergency Response/Removal Assessment Recommendation: No Date:	CERCLIS Recommendation: NFRAP Date:	Signature: Name: FRANK SORCE Position: HSMS III	

POTENTIAL HAZARDOUS WASTE SITE PRELIMINARY ASSESSMENT FORM		IDENTIFICATION	
		State: NJ	CERCLIS Number: NJDO71462279
		CERCLIS Discovery Date: 2-28-91	
7. Ground Water Pathway			
Is Ground Water Used for Drinking Water Within 4 Miles: No	Is There a Suspected Release to Ground Water: No	List Secondary Target Population Served by Ground Water Withdrawn From:	
Type of Ground Water Wells Within 4 Miles: Municipal	Have Primary Target Drinking Water Wells Been Identified: No	0 - 1/4 Mile 0	
Depth to Shallowest Aquifer: 100 Feet Karst Terrain/Aquifer Present: No		>1/4 - 1/2 Mile 0	
	Nearest Designated Wellhead Protection Area: None within 4 Miles	>1/2 - 1 Mile 21271	
		>1 - 2 Miles 38207	
		>2 - 3 Miles 31007	
		>3 - 4 Miles 69005	
		Total 159490	

POTENTIAL HAZARDOUS WASTE SITE PRELIMINARY ASSESSMENT FORM	IDENTIFICATION	
	State: NJ	CERCLIS Number: NJD071462279
	CERCLIS Discovery Date: 2-28-91	

8. Surface Water Pathway

Part 1 of 4

Type of Surface Water Draining
Site and 15 Miles Downstream:
River

Shortest Overland Distance From Any
Source to Surface Water:

500 Feet
0.1 Miles

Is there a Suspected Release to
Surface Water: No

Site is Located in:
> 500 yr floodplain

8. Surface Water Pathway

Part 2 of 4

Drinking Water Intakes Along the Surface Water Migration Path: No

Have Primary Target Drinking Water Intakes Been Identified: No

Secondary Target Drinking Water Intakes:
None

POTENTIAL HAZARDOUS WASTE SITE PRELIMINARY ASSESSMENT FORM	IDENTIFICATION	
	State: NJ	CERCLIS Number: NJDO71462279
	CERCLIS Discovery Date: 2-28-91	

8. Surface Water Pathway

Part 3 of 4

Fisheries Located Along the Surface Water Migration Path: Yes

Have Primary Target Fisheries Been Identified: No

Secondary Target Fisheries:

Fishery Name	Water Body Type/Flow(cfs)
COOPER RIVER	large stream/river/ >1000-10000
DELAWARE RIVER	large river/ >10000

8. Surface Water Pathway

Part 4 of 4

Wetlands Located Along the Surface Water Migration Path? (y/n) No

Have Primary Target Wetlands Been Identified? (y/n) No

Secondary Target Wetlands:

None

Other Sensitive Environments Along the Surface Water Migration Path: No

Have Primary Target Sensitive Environments Been Identified: No

Secondary Target Sensitive Environments:

None

<p>POTENTIAL HAZARDOUS</p> <p>WASTE SITE</p> <p>PRELIMINARY ASSESSMENT FORM</p>	IDENTIFICATION																	
	State: NJ	CERCLIS Number: NJD071462279																
	CERCLIS Discovery Date: 2-28-91																	
9. Soil Exposure Pathway																		
<p>Are People Occupying Residences or Attending School or Daycare on or Within 200 Feet of Areas of Known or Suspected Contamination: No</p>	<p>Number of Workers Onsite: 1 - 100</p>																	
<p>Have Terrestrial Sensitive Environments Been Identified on or Within 200 Feet of Areas of Known or Suspected Contamination: No</p>																		
10. Air Pathway																		
<p>Total Population on or Within:</p> <table border="0"> <tr> <td>Onsite</td> <td>25</td> </tr> <tr> <td>0 - 1/4 Mile</td> <td>50</td> </tr> <tr> <td>>1/4 - 1/2 Mile</td> <td>1000</td> </tr> <tr> <td>>1/2 - 1 Mile</td> <td>6500</td> </tr> <tr> <td>>1 - 2 Miles</td> <td>90700</td> </tr> <tr> <td>>2 - 3 Miles</td> <td>150000</td> </tr> <tr> <td>>3 - 4 Miles</td> <td>240000</td> </tr> <tr> <td>Total</td> <td>488275</td> </tr> </table>	Onsite	25	0 - 1/4 Mile	50	>1/4 - 1/2 Mile	1000	>1/2 - 1 Mile	6500	>1 - 2 Miles	90700	>2 - 3 Miles	150000	>3 - 4 Miles	240000	Total	488275	<p>Is There a Suspected Release to Air: No</p> <p>Wetlands Located Within 4 Miles of the Site: No</p> <p>Other Sensitive Environments Located Within 4 Miles of the Site: No</p>	
Onsite	25																	
0 - 1/4 Mile	50																	
>1/4 - 1/2 Mile	1000																	
>1/2 - 1 Mile	6500																	
>1 - 2 Miles	90700																	
>2 - 3 Miles	150000																	
>3 - 4 Miles	240000																	
Total	488275																	
<p>Sensitive Environments Within 1/2 Mile of the Site:</p> <p>None</p>																		

WASTE CHARACTERISTICS

Waste Characteristics (WC) Calculations:

Waste Characteristics Score: WC = 0

Ground Water Pathway Criteria List
Suspected Release

Are sources poorly contained? (y/n/u)	N
Is the source a type likely to contribute to ground water contamination (e.g., wet lagoon)? (y/n/u)	N
Is waste quantity particularly large? (y/n/u)	N
Is precipitation heavy? (y/n/u)	N
Is the infiltration rate high? (y/n/u)	N
Is the site located in an area of karst terrain? (y/n)	N
Is the subsurface highly permeable or conductive? (y/n/u)	N
Is drinking water drawn from a shallow aquifer? (y/n/u)	N
Are suspected contaminants highly mobile in ground water? (y/n/u)	N
Does analytical or circumstantial evidence suggest ground water contamination? (y/n/u)	N

Other criteria? (y/n) N

SUSPECTED RELEASE? (y/n) N

Summarize the rationale for Suspected Release:

Ground Water Pathway Criteria List
Primary Targets

Is any drinking water well nearby? (y/n/u)

Has any nearby drinking water well been closed? (y/n/u)

Has any nearby drinking water well user reported
foul-testing or foul-smelling water? (y/n/u)

Does any nearby well have a large drawdown/high production rate? (y/n/u)

Is any drinking water well located between the site and other wells
that are suspected to be exposed to a hazardous substance? (y/n/u)

Does analytical or circumstantial evidence suggest contamination
at a drinking water well? (y/n/u)

Does any drinking water well warrant sampling? (y/n/u)

Other criteria? (y/n)

PRIMARY TARGET(S) IDENTIFIED? (y/n)

Summarize the rationale for Primary Targets:

GROUND WATER PATHWAY SCORESHEETS

Pathway Characteristics

Do you suspect a release? (y/n)			No	Ref.
Is the site located in karst terrain? (y/n)			No	
Depth to aquifer (feet):			100	
Distance to the nearest drinking water well (feet):			5000	
LIKELIHOOD OF RELEASE	Suspected Release	No Suspected Release	References	
1. SUSPECTED RELEASE	0			
2. NO SUSPECTED RELEASE		340		
LR =		0 340		

Targets

TARGETS	Suspected Release	No Suspected Release	References
3. PRIMARY TARGET POPULATION 0 person(s)	0		
4. SECONDARY TARGET POPULATION Are any wells part of a blended system? (y/n) Y	0	2556	
5. NEAREST WELL	0	9	
6. WELLHEAD PROTECTION AREA None within 4 Miles	0	0	
7. RESOURCES	0	5	
T =		0	2570

WASTE CHARACTERISTICS

WC =

0	0
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GROUND WATER PATHWAY SCORE:

0

Ground Water Target Populations

Primary Target Population Drinking Water Well ID	Dist. (miles)	Population Served	Reference	Value
None				
Total				

Secondary Target Population Distance Categories	Population Served	Reference	Value
0 to 1/4 mile	0		0
Greater than 1/4 to 1/2 mile	0		0
Greater than 1/2 to 1 mile	21271		522
Greater than 1 to 2 miles	38207		939
Greater than 2 to 3 miles	31007		678
Greater than 3 to 4 miles	69005		417
Total			2556

Apportionment Documentation for a Blended System

GLOUCESTER CITY	4 WELLS	SERVICE 13,500
MERCHANTVILLE PENNSAUKEN	5 WELLS	SERVICE 24,997
NEW JERSEY AMERICAN	6 WELLS	SERVICE 38,000
COLLINSWOOD	8 WELLS	SERVICE 21,000
HADDON TOWNSHIP	4 WELLS	SERVICE 12,000
CAMDEN CITY	22 WELLS	SERVICE 50,000

Surface Water Pathway Criteria List
Suspected Release

Is surface water nearby? (y/n/u)	Y
Is waste quantity particularly large? (y/n/u)	N
Is the drainage area large? (y/n/u)	N
Is rainfall heavy? (y/n/u)	N
Is the infiltration rate low? (y/n/u)	N
Are sources poorly contained or prone to runoff or flooding? (y/n/u)	N
Is a runoff route well defined(e.g.ditch/channel to surf.water)? (y/n/u)	N
Is vegetation stressed along the probable runoff path? (y/n/u)	N
Are sediments or water unnaturally discolored? (y/n/u)	N
Is wildlife unnaturally absent? (y/n/u)	N
Has deposition of waste into surface water been observed? (y/n/u)	N
Is ground water discharge to surface water likely? (y/n/u)	N
Does analytical/circumstantial evidence suggest S.W. contam? (y/n/u)	N

Other criteria? (y/n) N

SUSPECTED RELEASE? (y/n) N

Summarize the rationale for Suspected Release:

Surface Water Pathway Criteria List
Primary Targets

Is any target nearby? (y/n/u) If yes: Y
 N Drinking water intake
 Y Fishery
 N Sensitive environment

Has any intake, fishery, or recreational area been closed? (y/n/u) N

Does analytical or circumstantial evidence suggest surface water
 contamination at or downstream of a target? (y/n/u) N

Does any target warrant sampling? (y/n/u) If yes: N
 N Drinking water intake
 N Fishery
 N Sensitive environment

Other criteria? (y/n) N

PRIMARY INTAKE(S) IDENTIFIED? (y/n) N

Summarize the rationale for Primary Intakes:

continued -----

continued -----

Other criteria? (y/n) N

PRIMARY FISHERY(IES) IDENTIFIED? (y/n) N

Summarize the rationale for Primary Fisheries:

Other criteria? (y/n) N

PRIMARY SENSITIVE ENVIRONMENT(S) IDENTIFIED? (y/n) N

Summarize the rationale for Primary Sensitive Environments:

SURFACE WATER PATHWAY SCORESHEETS

Pathway Characteristics			Ref.
Do you suspect a release? (y/n)	No		
Distance to surface water (feet):	500		
Flood frequency (years):	>500		
What is the downstream distance (miles) to:			
a. the nearest drinking water intake?	N.A.		
b. the nearest fishery?	0.1		
c. the nearest sensitive environment?	2.0		
LIKELIHOOD OF RELEASE	Suspected Release	No Suspected Release	References
1. SUSPECTED RELEASE	0		
2. NO SUSPECTED RELEASE		500	
LR =	0	500	

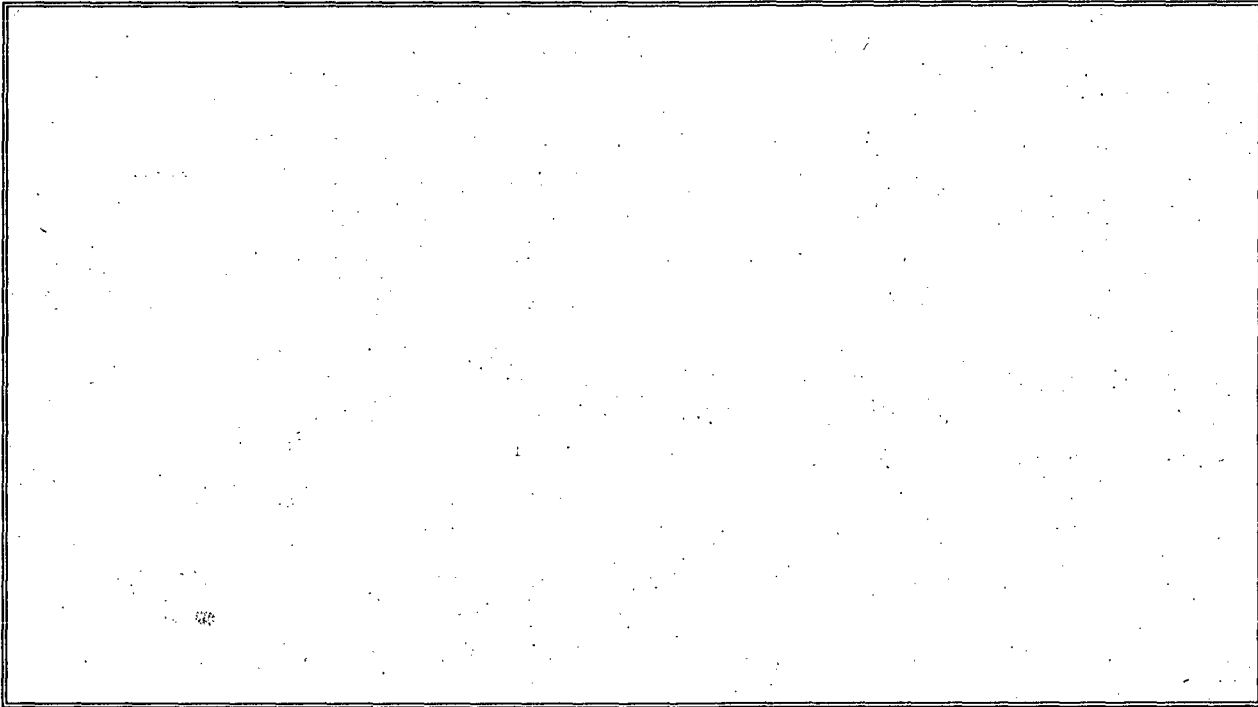
Drinking Water Threat Targets

TARGETS	Suspected Release	No Suspected Release	References
3. Determine the water body type, flow (if applicable), and number of people served by each drinking water intake.			
4. PRIMARY TARGET POPULATION 0 person(s)	0		
5. SECONDARY TARGET POPULATION Are any intakes part of a blended system? (y/n): N	0	0	
6. NEAREST INTAKE	0	0	
7. RESOURCES	0	5	
T =	0	5	

Drinking Water Threat Target Populations

Intake Name	Primary (y/n)	Water Body Type/Flow	Population Served	Ref.	Value
None					
Total Primary Target Population Value					0
Total Secondary Target Population Value					0

Apportionment Documentation for a Blended System



Human Food Chain Threat Targets

TARGETS	Suspected Release	No Suspected Release	References
8. Determine the water body type and flow for each fishery within the target limit.			
9. PRIMARY FISHERIES	0		
10. SECONDARY FISHERIES	0	12	
T =	0	12	

Human Food Chain Threat Targets

Fishery Name	Primary (y/n)	Water Body Type/Flow	Ref.	Value
1 COOPER RIVER	N	>1000-10000 cfs		12
2 DELAWARE RIVER	N	>10000 cfs		12
Total Primary Fisheries Value				0
Total Secondary Fisheries Value				24

Environmental Threat Targets

TARGETS	Suspected Release	No Suspected Release	References
11. Determine the water body type and flow (if applicable) for each sensitive environment.			
12. PRIMARY SENSITIVE ENVIRONMENTS	0		
13. SECONDARY SENSITIVE ENVIRONS.	0	0	
T =	0	0	

Environmental Threat Targets

Sensitive Environment Name	Primary (y/n)	Water Body Type/Flow	Ref.	Value
None				
Total Primary Sensitive Environments Value				0
Total Secondary Sensitive Environments Value				0

Surface Water Pathway Threat Scores

Threat	Likelihood of Release(LR) Score	Targets(T) Score	Pathway Waste Characteristics (WC) Score	Threat Score LR x T x WC / 82,500
Drinking Water	500	5	0	0
Human Food Chain	500	12	0	0
Environmental	500	0	0	0

SURFACE WATER PATHWAY SCORE:

0

Soil Exposure Pathway Criteria List
Resident Population

Is any residence, school, or daycare facility on or
within 200 feet of an area of suspected contamination? (y/n/u) N

Is any residence, school, or daycare facility located on adjacent
land previously owned or leased by the site owner/operator? (y/n/u) N

Is there a migration route that might spread hazardous
substances near residences, schools, or daycare facilities? (y/n/u) N

Have onsite or adjacent residents or students reported adverse
health effects, exclusive of apparent drinking water or air
contamination problems? (y/n/u) N

Does any neighboring property warrant sampling? (y/n/u) N

Other criteria? (y/n) N

RESIDENT POPULATION IDENTIFIED? (y/n) N

Summarize the rationale for Resident Population:

SOIL EXPOSURE PATHWAY SCORESHEETS

Pathway Characteristics	Ref.
Do any people live on or within 200 ft of areas of suspected contamination? (y/n) No	
Do any people attend school or daycare on or within 200 ft of areas of suspected contamination? (y/n) No	
Is the facility active? (y/n): Yes	

LIKELIHOOD OF EXPOSURE	Suspected Contamination	References
1. SUSPECTED CONTAMINATION LE =	550	

Targets

2. RESIDENT POPULATION 0 resident(s) 0 school/daycare student(s)	0	
3. RESIDENT INDIVIDUAL	0	
4. WORKERS 1 - 100	5	
5. TERRES. SENSITIVE ENVIRONMENTS	0	
6. RESOURCES	5	
T =	10	

WASTE CHARACTERISTICS

WC =

RESIDENT POPULATION THREAT SCORE:

NEARBY POPULATION THREAT SCORE:

Population Within 1 Mile: 1 - 10,000

SOIL EXPOSURE PATHWAY SCORE:

Soil Exposure Pathway Terrestrial Sensitive Environments

Terrestrial Sensitive Environment Name	Reference	Value
None		
Total Terrestrial Sensitive Environments Value		

Air Pathway Criteria List
Suspected Release

Are odors currently reported? (y/n/u) N

Has release of a hazardous substance to the air
been directly observed? (y/n/u) N

Are there reports of adverse health effects (e.g., headaches,
nausea, dizziness) potentially resulting from migration
of hazardous substances through the air? (y/n/u) N

Does analytical/circumstantial evidence suggest release to air? (y/n/u) N

other criteria? (y/n) N

SUSPECTED RELEASE? (y/n) N

Summarize the rationale for Suspected Release:

AIR PATHWAY SCORESHEETS

Pathway Characteristics

Do you suspect a release? (y/n)			No	Ref.
Distance to the nearest individual (feet):			500	
LIKELIHOOD OF RELEASE	Suspected Release	No Suspected Release	References	
1. SUSPECTED RELEASE	0			
2. NO SUSPECTED RELEASE		500		
LR =		0 500		

Targets

TARGETS	Suspected Release	No Suspected Release	References
3. PRIMARY TARGET POPULATION 0 person(s)	0		
4. SECONDARY TARGET POPULATION	0	102	
5. NEAREST INDIVIDUAL	0	20	
6. PRIMARY SENSITIVE ENVIRONS.	0		
7. SECONDARY SENSITIVE ENVIRONS.	0	0	
8. RESOURCES	0	5	
T =		0 127	

WASTE CHARACTERISTICS

WC =

0	0
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AIR PATHWAY SCORE:

0

BORDEN CHEMICAL PRINTING INK DIV. - 12/05/91

Air Pathway Secondary Target Populations

Distance Categories	Population	References	Value
Onsite	25		2
Greater than 0 to 1/4 mile	50		1
Greater than 1/4 to 1/2 mile	1000		3
Greater than 1/2 to 1 mile	6500		8
Greater than 1 to 2 miles	90700		27
Greater than 2 to 3 miles	150000		38
Greater than 3 to 4 miles	240000		23
Total Secondary Population Value			102

Air Pathway Primary Sensitive Environments

Sensitive Environment Name	Reference	Value
None		
Total Primary Sensitive Environments Value		

Air Pathway Secondary Sensitive Environments

Sensitive Environment Name	Distance	Reference	Value
None			
Total Secondary Sensitive Environments Value			

PA-Score 1.0 Scoresheets
BORDEN CHEMICAL PRINTING INK DIV. - 12/05/91

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SITE SCORE CALCULATION	SCORE
GROUND WATER PATHWAY SCORE:	0
SURFACE WATER PATHWAY SCORE:	0
SOIL EXPOSURE PATHWAY SCORE:	1
AIR PATHWAY SCORE:	0
SITE SCORE:	0

SUMMARY

1. Is there a high possibility of a threat to any nearby drinking water well(s) by migration of a hazardous substance in ground water? No

If yes, identify the well(s).

If yes, how many people are served by the threatened well(s)? 0

2. Is there a high possibility of a threat to any of the following by hazardous substance migration in surface water?

- A. Drinking water intake No
B. Fishery No
C. Sensitive environment (wetland, critical habitat, others) No

If yes, identity the target(s).

3. Is there a high possibility of an area of surficial contamination within 200 feet of any residence, school, or daycare facility? No

If yes, identify the properties and estimate the associated population(s)

4. Are there public health concerns at this site that are not addressed by PA scoring considerations? No

If yes, explain:

PA-Score 1.0 Scoresheets
BORDEN CHEMICAL PRINTING INK DIV. - 12/05/91

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REFERENCE LIST

BUREAU GF SITE ASSESSMENT
FILE/DATA CHECK SHEET

Agency	Phone No.	Contact	Date	File Y/N Reviewed Y/N
<u>Office of Enforcement Policy (Permits)</u>				
A. Central File	(609) 292-0400		11-14-91	Y
B. Regional Enforcement Office				
<hr/>				
Div. Publicly Funded Remediation				
<hr/>				
A. Groundwater Pollution Abatement	(609) 292-8427			
B. Groundwater Discharge Control	(609) 292-0424			
C. Aquifer Protection	(609) 292-0668			
D. Env. Evaluation and Risk Assmnt.	(609) 633-7413			
E. Site Management	(609) 984-2990			
F. Env. Measurements and Quality Assurance	(609) 633-6801			
G. Other				
<hr/>				
Div. RP Site Remediation .				
<hr/>				
A. Regional Enforcement Office	346-8000		11/8/91	Y
B. Federal Case Mgnt.	(609) 633-1455			
C. State Case Mgnt.	(609) 633-0719			
D. ECRA	(609) 633-7141			
E. Underground Storage Tanks	(609) 984-3156			
F. Other				
<hr/>				
Div. Env. Quality				
<hr/>				
A. Reg. Air Pollution Control Office	346-8032		11/8/91	YES
B. Office of Quality Assurance	(609) 292-3950			
C. Right to Know	(609) 292-6714			

Agency	Phone No.	Contact	Date	File Y/N Reviewed Y/N
<u>Div. Solid Waste Mgmt.</u>				
A. File Room	(609) 292-0112			
B. Enforcement Office	(609) 584-4180			
C. Solid Waste Eng.	(609) 530-8008			
<u>Environmental Regulation</u>				
A. Haz. Waste Eng.	(609) 292-9880	Anthony Drumming	11-15-91	yes
B. Ind. Discharge Permits	(609) 292-4860			
C. Other				
<u>Other N.J. DEP</u>				
A. Div. of Law (Att. Gen. Office)	(609) 292-9320			
B. Div. of Science and Research	(609) 984-6070			
C. Div. of Fish, Game and Wildlife	-----			
D. Div. of Coastal Resources Planning Group (aerial photos)	(609) 633-7369			
E. Other	-----			
<u>N.J. Dept. of Health</u>				

<u>N.J. DEP Information Resource Center</u>				
	(609) 984-2249			
<u>U.S. EPA</u>				
A. Response and Prevention Branch	(201) 321-6658			
B. Other				

Agency	Phone No.	Contact	Date	File Y/N	Reviewed Y/N
Local Authorities					
A. Health Officer					
B. Tax Assessor or Town Clerk	<u>757-7017</u>				
C. Other (Fire, Police, Public Works, etc.)	-----				
Other Agencies					
	<u>RICHARD LYNCH</u>	<u>RICH-06-IND.</u>			
	<u>541-1427</u>				